

SEQUENCE LISTING

<110>	Mirkin, Chad A. Letsinger, Robert L. Mucic, Robert C. Storhoff, James J. Elghanian, Robert Taton, Thomas A.		
<120>	NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO AND USES THEREFOR		
<130>	00-713-i16		
	09/976,601 2001-10-12		
	09/603,830 2000-06-26		
	09/344,667 1999-06-25		
	09/240,755 1999-01-29		
	PCT/US97/12783 1997-07-21		
	60/031,809 1996-07-29		
	60/200,161 2000-04-26		
<160>	64		
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<210><211><211><212><213>	20		
<220> <223>	Description of Artificial Sequence:random synthetic sequence		
<400> 1 aaacgactct agcgcgtata			

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<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence
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<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400>	2		
atggca	aacta tacgcgctag		20
<210>	2		
<210>			
<212>			
	Artificial Sequence		
<220>		_	
<223>	Description of Artificial	Sequence:random	
	synthetic sequence		
<400>	3		
	agatt tccctc		16
	•		
<210>			
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	Artificial Sequence		
12207			
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<223>	Description of Artificial	Sequence:random	
	synthetic sequence		
<400>	4		
	aaatc tcaagg		16
010	-		
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	Artificial Sequence		
	-		
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	synthetic sequence		
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	geget aatggega		18
_			
-010			
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	-		
<220>			
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	synthetic sequence		
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aagttgcgct ttacggctaa tggcga	26
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<400> 7 tctccttccc ttttc	15
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<400> 8 gaaaagggaa ggaga	15
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<400> 9 cttttccctt cctct	15
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<400> 10 aaacgactct agegegtata gttgeeat	28
<210> 11	

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<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 11
                                                                    28
atggcaacta tacgcgctag agtcgttt
<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 12
                                                                    15
cctatcgacc atgct
<210> 13
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<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 13
                                                                    30
agcatggtcg ataggaaacg actctagcgc
<210> 14
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 14
                                                                    15
gcgctagagt cgttt
<210> 15
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<220>
<223> Description of Artificial Sequence:random
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synthetic sequence

<400> 15 agcatggtcg ataggatggc aactatacgc	30
<210> 16 <211> 24 <212> DNA <213> Artificial Sequence	
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<400> 16 gtcgatagga aacgactcta gcgc	24
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<400> 17 agcatggttg ataggaaacg actctagcgc	30
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<210> 19 <211> 12 <212> DNA <213> Artificial Sequence	
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<400> 19 tetcaacteg ta	12

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<210> 20
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<212> DNA
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<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 20
cgcattcagg at
                                                                    12
<210> 21
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      synthetic sequence
<400> 21
                                                                    24
tacgagttga gagagtgccc acat
<210> 22
<211> 24
<212> DNA
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      synthetic sequence
<400> 22
                                                                    24
tacgagttga gaatcctgaa tgcg
<210> 23
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<213> Artificial Sequence
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<223> Description of Artificial Sequence:random
      synthetic sequence
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tacgagttga gaatcctgaa tgct
                                                                    24
<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence
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_	00> 24 ogagttga gacteetgaa tgeg		24
<2 <2	10> 25 11> 23 12> DNA 13> Artificial Sequence		
	20> 23> Description of Artificial synthetic sequence	Sequence:random	
	00> 25 .cgagttga gaatcctgaa tgc		23
· <2 <2	10> 26 11> 25 12> DNA 13> Artificial Sequence		
	20> 23> Description of Artificial synthetic sequence	Sequence:random	
	00> 26 .cgagttga gacatcctga atgcg		25
<2 <2	10> 27 11> 24 12> DNA 13> Artificial Sequence		
	20> 23> Description of Artificial synthetic sequence	Sequence:random	
	00> 27 cgagttga gaateetgaa tgeg		24
<2 <2	10> 28 11> 12 12> DNA 13> Artificial Sequence		,
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<400> tagga	28 ettac ge	12
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<210><211><211><212><213>	72	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
	31 gttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac gaatg cg	60 72
<210><211><211><212><213>	48	
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<210> 33
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 33
                                                                    12
tctcaactcg ta
<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 34
                                                                    24
tacgagttga gaatcctgaa tgcg
<210> 35
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 35
                                                                    12
cgcattcagg at
<210> 36
<211> 141
<212> DNA
<213> anthrax
<400> 36
ggcggatgag tcagtagtta aggaggctca tagagaagta attaattcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattgtagaa 120
attgaagata ctgaagggct t
                                                                    141
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<220>
<223> Description of Artificial Sequence:random
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synthetic sequence

<400> 37

taacaataat cocto	15
<210> 38 <211> 15 <212> DNA <213> Artificial Sequence	
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<400> 38 atccttatca atatt	15
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<220> <223> Description of Artificial Sequence:random synthetic sequence	
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<400> 41 tataaccctg gataatattt ttcttat	27

15

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<210> 42
<211> 29
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 42
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aagcccttca gtatcttcaa tttctacaa
<210> 43
<211> 22
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:random
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<400> 43
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tctcaactcg taaaaaaaaa aa
<210> 44
<211> 24
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<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 44
                                                                    24
tacgagttga gaatcctgaa tgcg
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<211> 22
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<220>
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aaaaaaaaa cgcattcagg at
<210> 46
<211> 22
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<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
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<400> aaaaaa	47 aaaaa cgcattcagg at		22
<210><211><211><212><213>	24		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> tacgag	48 yttga gaateetgaa tgeg		24
<210><211><211><212><213>	24		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random .	
<400> ctactt	49 agat cogagtgooc acat		24
<210> <211> <212> <213>	12		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	

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<400> 50 cgcattcagg at	12
<210> 51 <211> 32 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 51 aaaaaaaaaa aaaaaaaaaa cgcattcagg at	32
<210> 52 <211> 32 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 52 cgcattcagg atwwwwwww wwwwwwww ww	32
<210> 53 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 53 atcctgaatg cg	12
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<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 54 atcctgaatg cg	12

<210> 55

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<211> 20
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<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:random
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<400> 55
                                                                    20
aaaaaaaaaa aaaaaaaaa
<210> 56
<211> 27
<212> DNA
<213> Anthrax
<400> 56
                                                                    27
ggattattgt taattattga taaggat
<210> 57
<211> 12
<212> DNA
<213> Anthrax
<220>
<221> misc_feature
<222> (8)..(8)
<223> n stands for a, g, c, or t
<400> 57
taacaatnat cc
                                                                    12
<210> 58
<211> 15
<212> DNA
<213> Anthrax
<400> 58
                                                                    15
atccttatca atatt
<210> 59
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<213> Artificial Sequence
<223> Description of Artificial Sequence:random
      synthetic sequence
<400> 59
tctcaactcg ta
                                                                    12
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<220> <223>	Description of Artificial Sequence:random synthetic sequence	
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<400> gcgtaa	61 agtoc taacgtacta acggagcaga attgccagag ttgagcat	48
<210><211><211><212><213>	72	
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	62 agtcc tacaacaggc atttcgcagg ttatatacgt actaacggag cagaattgcc cgagc at	60 72
<210><211><211><212><213>	24	
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<210><211><211><212><213>	48	

<220>
<223> Description of Artificial Sequence:random synthetic sequence

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gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg

48